		Pushing the En	velope
		2007 Mathema	
		rade and Course Leve	I Expectations
Missouri Mathematic	S		
Grade 5	04-4-	04	
Activity/Lesson	State	Standards	Apply appropriate techniques, tools and
Chemistry (pgs. 25-41)	MO	MA.5.M.2.C.1	Apply appropriate techniques, tools and formulas to determine measurements: determine volume by finding the total number of the same size units needed to fill a space without gaps or overlaps
Physics and Math			Analyze change in various contexts: identify, model and describe situations with constant or
(pgs. 43-63)	МО	MA.5.A.4.A.1	varying rates of change
		Pushing the En	velone
		2007 Mathema	
	G	rade and Course Leve	
Missouri Mathematic			p 2000
Grade 6			
Activity/Lesson	State	Standards	
History of Aviation Propulsion (pgs. 5-9)	MO	MA.6.M.1.C.1	Understand measurable attributes of objects and the units, systems and processes of measurement: solve problems involving elapsed time (hours and minutes)
Types of Engines (pgs. 11-23)	MO	MA.6.M.2.E.1	Apply appropriate techniques, tools and formulas to determine measurements: convert from one unit to another within a system of measurement (mass and weight)
Physics and Math (pgs. 43-63)	МО	MA.6.N.3.E.1	Compute fluently and make reasonable estimates: solve problems using ratios and rates
Physics and Math (pgs. 43-63)	МО	MA.6.A.4.A.1	Analyze change in various contexts: construct and analyze representations to compare situations with constant or varying rates of change
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		Pushing the Engage 2007 Mathematic	
		rade and Course Leve	
Missouri Mathematic		nade and Course Leve	i Expediatione
Grade 7			
Activity/Lesson	State	Standards	
History of Aviation Propulsion (pgs. 5-9)	MO	MA.7.M.1.C.1	Understand measurable attributes of objects and the units, systems and processes of measurement: solve problems involving addition and subtraction of time (hours, minutes and seconds)
Chemistry (pgs. 25-41)	MO	MA.7.M.1.B.1	Understand measurable attributes of objects and the units, systems and processes of measurement: identify the equivalent area and volume measures within a system of measurement (e.g., sq ft. to sq in, m³ to c m³)

Physics and Math (pgs. 43-63) Physics and Math (pgs. 43-63)	MO MO	MA.7.N.3.E.1 MA.7.A.4.A.1	Compute fluently and make reasonable estimates: solve problems involving proportions, such as scaling and finding equivalent ratios Analyze change in various contexts: compare situations with constant or varying rates of change			
		Bushing the En	volone			
	Pushing the Envelope 2007 Mathematics					
11 11 11 11 11 11 11 11 11 11 11 11 11						
Grade and Course Level Expectations Missouri Mathematics						
Grades 9-12 (Algebra I)						
Activity/Lesson	State	Standards				
Physics and Math (pgs. 43-63)	MO	MA.9-12.A.4.A.	Analyze change in various contexts: analyze linear and quadratic functions by investigating rates of change, intercepts and zeros			